

National Functional Guidelines Report #03

Lab DATA(ALS Environmental) SDG F2C98 Case 43795 Contract EPW11037 Region 6 DDTID 184026 SOW SOM01.2

Data Review Reports

DMC/Surrogate

DMC/Surrogate	VOA_Trace
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2D24
	2-Hexanone-d5 F2D24
	2-Hexanone, 4-Methyl-2-Pentanone
DMC/Surrogate	VOA_Trace
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F2D04, F2D22
	trans-1,3-Dichloropropene-d4 F2D04, F2D22
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene

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Detection Limit

Detection Limit	VOA_Trace
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C98, F2D00, F2D02, F2D04, F2D06, F2D10, F2D12, F2D14, F2D16, F2D20, F2D22, F2D30, F2D34
	Carbon disulfide F2D00, F2D02, F2D16, F2D22
	Isopropylbenzene F2C98, F2D00, F2D02
	m,p-Xylene F2C98, F2D22
	Methyl tert-butyl ether F2D00
	Cyclohexane F2D00, F2D02
	Toluene F2D00, F2D02, F2D04, F2D22
	1,4-Dichlorobenzene F2C98, F2D00, F2D02, F2D04, F2D06, F2D10, F2D12, F2D16, F2D30, F2D34
	Acetone F2D00, F2D14, F2D20
	o-Xylene F2C98, F2D00, F2D02, F2D04, F2D22
	Benzene F2D00, F2D02, F2D04, F2D22
	Methylcyclohexane F2D00

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Internal Standard

Internal Standard	VOA_Trace
VTIS3	The following volatile samples have internal standard area counts that are outside the upper limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2D24
	1,4-Difluorobenzene F2D24
	1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone, Acetone, Bromochloromethane, Bromomethane, Carbon disulfide, Chloroethane, Chloroform, Chloromethane, Dichlorodifluoromethane, Methyl acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane, Vinyl chloride, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene

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TIC

TIC	VOA_Trace
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F2C98, F2D00, F2D02, F2D04, F2D14, F2D16, F2D18, F2D20, F2D22, F2D26, F2D30
	Naphthalene, 1-ethyl- F2D14, F2D26
	Benzene, 1-ethyl-2-methyl- F2D02, F2D04
	Benzene, 1-butenyl-, (E)- F2D02
	1H-Indene, 2,3-dihydro-1,6-dimethyl- F2D02
	2-Methylindene F2C98
	Benzene, 1,3,5-trimethyl- F2D22
	Benzene, 2-ethyl-1,4-dimethyl- F2D14
	Naphthalene, 1,2,3,4-tetrahydro- F2D00, F2D02, F2D04
	Benzene, (3-methyl-2-butenyl)- F2D02, F2D04
	Benzene, 1-methyl-2-(1-methylethyl)- F2D02
	Benzene, 1,4-bis(1-methylethyl)- F2D22
	Benzene, 1,2-diethyl- F2D02, F2D04
	Propanal, 2-methyl- F2D22
	Benzene, (2-methyl-1-propenyl)- F2D00
	Benzene, 1-ethyl-4-(1-methylethyl)- F2D04
	Naphthalene, 1,4-dimethyl- F2D30
	Furan, 2,5-dimethyl- F2D22
	Naphthalene, 2,6-dimethyl- F2D00, F2D02, F2D14
	Benzene, (1-methyl-1-butenyl)- F2D14
	Naphthalene, 2,7-dimethyl- F2D18
	Benzene, 1-ethyl-3,5-dimethyl- F2D00
	Benzene, 1-butyryl- F2C98
	Benzene, 1-methyl-3-(1-methylethyl)- F2D02, F2D04
	Benzene, (1-ethyl-1-propenyl)- F2D02
	Benzene, 4-ethyl-1,2-dimethyl- F2D00

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TIC

TIC	VOA_Trace
	Benzene, 2-ethenyl-1,4-dimethyl- F2D04
	Benzene, tert-butyl- F2D04
	Indane F2C98, F2D00
	1H-Indene, 2,3-dihydro-5-methyl- F2C98
	Benzene, 1,3-dimethyl-5-(1-methylethyl)- F2D00, F2D02, F2D04
	Naphthalene, 1,2,3,4-tetrahydro-1,8-dimethyl- F2D02
	.alpha.,.beta.,.beta.-Trimethylstyrene F2D00
	Benzene, pentamethyl- F2D00
	Benzene, 1-ethenyl-4-ethyl- F2C98
	Naphthalene, 1,2,3,4-tetrahydro-5-methyl- F2D04
	1-Propene, 2-methyl- F2D14
	Benzofuran, 2-methyl- F2D22
	Naphthalene, 1,6-dimethyl- F2D00, F2D02, F2D14, F2D16, F2D18, F2D20, F2D30
	Benzene, 1-ethyl-3-methyl- F2C98
	Naphthalene, 1-methyl- F2D00, F2D02, F2D04, F2D14, F2D16, F2D18, F2D26
	Naphthalene, 2-ethyl- F2D16
	Benzene, 1-methyl-4-(1-methyl-2-propenyl)- F2D04
	Benzene, 1,2,3,4-tetramethyl- F2D00, F2D04
	Benzene, (2-methyl-2-propenyl)- F2D04
	Benzene, 1,2,3-trimethyl- F2D00
	Benzene, 1,2,4,5-tetramethyl- F2D02, F2D04
	2(1H)-Naphthalenone, octahydro-, trans- F2D14
	Dimethyl sulfide F2D00
	Benzene, 2-ethyl-1,3-dimethyl- F2D02, F2D04
	Benzene, 1-ethyl-2,4-dimethyl- F2D00, F2D14
	1H-Indene, 2,3-dihydro-4,7-dimethyl- F2D02, F2D04, F2D14
	Benzene, 1-ethenyl-3-ethyl- F2D02, F2D04

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TIC

TIC	VOA_Trace
	1H-Indene, 2,3-dihydro-1,2-dimethyl- F2C98, F2D00, F2D04
	Naphthalene, 1,7-dimethyl- F2D16, F2D20, F2D26
	Benzene, (1-methyl-1-propenyl)-, (E)- F2C98
	1H-Indene, 2,3-dihydro-1,1-dimethyl- F2D02, F2D04
	1H-Indene, 2,3-dihydro-1,1,3-trimethyl- F2D04
	Benzene, 1,2,3,5-tetramethyl- F2D14
	Naphthalene, 1,2-dimethyl- F2D26
TIC	VOA_Trace
VTTIC2	A library search indicates a match below 85% for a TIC compound in the trace volatile sample. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C98, F2D00, F2D02, F2D04, F2D14, F2D14DL, F2D18, F2D20, F2D22, F2D22DL, F2D24, F2D26, F2D94
	Unknown Naphthalene, 1,2,3,4-tetrahydro-5-methyl- F2D02, F2D14
	Unknown 4-Propylcyclohexanone F2D14
	Unknown Imidazole, 1,4,5-trimethyl- F2D14
	Unknown 1,7-Diazabicyclo[2.2.0]heptane, 7-chloro- F2D14
	Unknown 2-Hexen-1-ol, acetate, (Z)- F2D04
	Unknown 3-Dodecene, (E)- F2D14
	Unknown Propane, 2-ethoxy-2-methyl- F2D14, F2D22
	Unknown 2-Methoxy-4-chloro-phenol F2D02, F2D04
	Unknown Benzene, 1-methyl-4-(1-methylpropyl)- F2D00
	Unknown 1,4-Cyclohexadiene, 3-ethenyl-1,2-dimethyl- F2D00
	Unknown Benzene, pentamethyl- F2D14
	Unknown 4-(1H-Pyrazol-1-yl)benzeneamine F2D26
	Unknown 3,4-Dimethyl-2-pentanone F2D02
	Unknown 1-Hexanol, 2-ethyl- F2D24
	Unknown Benzene, 1-methyl-2-(1-methylethyl)- F2D00
	Unknown Benzene, 1-ethyl-4-(1-methylethyl)- F2D00
	Unknown 1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene F2D02

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TIC

TIC	VOA_Trace
	Unknown 2-Pentanone, 4,4-dimethyl- F2D22
	Unknown Naphthalene, decahydro-2-methyl- F2D00
	Unknown Hydrazine, methyl- F2D94
	Unknown 2',4'-Dihydroxypropiophenone F2D22
	Unknown Acetic acid, cyano-, 1,1-dimethylethyl ester F2D02
	Unknown 2-Buten-1-ol, acetate F2D04
	Unknown Naphthalene, 1,2,3,4-tetrahydro-6-methyl- F2D00
	Unknown 3-Pentanol F2D18
	Unknown 1-Decalone (cis-trans) F2D26
	Unknown 2H-Quinolizine-1-methanol, octahydro-, (1R-trans F2D26
	Unknown Benzene, 1-methyl-4-propyl- F2D04
	Unknown 5-Undecene, 6-methyl- F2D14
	Unknown (R)-(-)-(Z)-14-Methyl-8-hexadecen-1-ol F2D22
	Unknown Hexanal, 2-ethyl- F2D22
	Unknown Carbonyl sulfide F2C98, F2D00, F2D02, F2D04, F2D22
	Unknown Cis-2,5-dimethylthiane F2D00
	Unknown Benzene, (1-methyl-1-butenyl)- F2D00, F2D04
	Unknown 5-Hexyn-3-ol F2D02
	Unknown Benzene, (2-methyl-1-butenyl)- F2D02
	Unknown Benzocycloheptene F2D04
	Unknown 1H-Indene, 2,3-dihydro-5,6-dimethyl- F2D14
	Unknown (1-Methylbuta-1,3-dienyl)benzene F2D00
	Unknown 2-Heptanone, 4-methyl- F2D22
	Unknown 2-Propanol, 2-methyl- F2D14, F2D14DL, F2D20, F2D22, F2D22DL